Models

HP V1905-24 Switch	JD990A
HP V1905-48 Switch	JD994A
HP V1905-24-PoE Switch	JD992A
HP V1905-8-PoE Switch	JD877A
HP V1905-10G-PoE Switch	JD864A

Key features

- Smart-managed Layer 2 switching
- Gigabit and Fast Ethernet configurations
- Intuitive Web interface for network enhancement
- Access control list security; PoE models
- 3-year warranty

Product overview

HP V1905 series devices are smart-managed fixed configuration Fast Ethernet and Gigabit Layer 2 switches designed for small and medium-sized businesses looking for an easily managed, low-cost networking solution. Series models include rack-mountable 24-, 48-, and 24-port PoE Fast Ethernet switches, and small-form 8-port Fast Ethernet PoE and 10-port Gigabit PoE switches. These smart-managed switches are preconfigured for fast, easy installation, yet allow network operation to be enhanced using an intuitive Web-based management interface. Models are available supporting Power over Ethernet, Ethernet copper cabling or fiber cabling, and fanless design for quiet operation. Advanced security and Quality of Service features create a voice-ready network. V1905 switches are solidly built for business operation, and designed for high reliability, long life, low power consumption, and low total cost of ownership. All switches are supported by a 3-year warranty.

Features and benefits

Management

- Web graphical user interface (GUI): easy-to-use graphical interface allows configuration of the switch from any Web browser
- Limited command-line interface (CLI): allows for basic configuration and IP address assignment
- Simple Network Management Protocol (SNMP): allows switch to be managed with a variety of third-party network management applications
- Port mirroring: allows traffic to be mirrored on any port or a network analyzer to assist with diagnostics or detecting network attacks
- IEEE 802.1AB Link Layer Discovery Protocol (LLDP): automated device discovery protocol for easy mapping by network management applications
- VLAN support and tagging: supports IEEE 802.1Q port-based VLANs to segment the network based on users data or traffic exchange

Connectivity

- Front-panel LEDs: provide an at-a-glance view of status, activity, speed, and full-duplex operation
- Auto-MDIX: automatically adjusts for straight-through or crossover cables on all ports
- Small Form-Factor Pluggable (SFP) slots: allow for fiber connectivity
- Flow control: helps ensure reliable communications during full-duplex operation
- Cable diagnostics: remotely detect cable issues using a browser-based tool

Overview

Performance

- Switch on a chip: provides highly integrated, high-performance switch design with a nonblocking architecture

Resiliency and high availability

- Port trunking and link aggregation:
  - Trunking: supports up to eight links per trunk to increase bandwidth and create redundant connections
  - IEEE 802.3ad Link Aggregation Protocol (LACP): eases configuration of trunks through automatic configuration
- IEEE 802.1w Rapid Spanning Tree Protocol (RSTP): detects and uses network topologies that allow a faster STP convergence without creating forwarding loops

Security

- Access control lists (ACLs): allow network managers to define classification actions and rules for specific ingress ports
- IEEE 802.1X: utilizes an industry-standard user authentication with an IEEE 802.1X supplicant on the client in conjunction with a RADIUS server
- Secure Sockets Layer (SSL): encrypts all HTTP traffic, allowing secure access to the browser-based management GUI in the switch

Convergence

- IP multicast snooping and data-driven IGMP: automatically prevents flooding of IP multicast traffic
- Auto Voice VLAN: automatically assigns VoIP traffic to dedicated VLANs to help ensure that critical time-sensitive traffic gets the priority needed for quality communications
- Quality of Service (QoS): honors and sets IEEE 802.1p priority in the VLAN tag
- IEEE 802.3af Power over Ethernet (V1905-24-PoE): provides up to 15.4 W per port to IEEE 802.3af-compliant PoE-powered devices such as IP phones, wireless access points, and security cameras (see product specifications for total PoE power available)

Flexibility

- Fanless design: provides quiet operation for use in open-space environment

Warranty and support

- 3 year warranty: with advance replacement and next business day delivery (available in most countries)
- Electronic and telephone support: limited electronic and telephone support is available from HP; refer to: www.hp.com/networking/support for details on the support provided and the period during which support is available
- Software releases: refer to: www.hp.com/networking/support for details on the software releases provided and the period during which software releases are available for your product(s)

Technical Specifications

HP V1905-24 Switch (JD990A)

Ports	24 RJ-45 auto-sensing 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX); Media Type: Auto-MDIX; Duplex: half or full 2 RJ-45 dual-personality 10/100/1000 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T) 1 RJ-45 serial console port	
Physical characteristics	Dimensions	9.4(d) x 17.4(w) x 1.7(h) in. (23.88 x 44.2 x 4.32 cm) (1U height)
	Weight	6.8 lb. (3.08 kg)
Memory and processor	Processor	ARM 88E6218 @ 150 MHz, 8 MB SDRAM, 4 MB flash; packet buffer size: 384 KB
Mounting	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included)	
Performance	100 Mb Latency	< 5 μs
	1000 Mb Latency	< 5 μs
	Throughput	6.6 million pps
	Routing/Switching capacity	8.8 Gbps
Environment	Operating temperature	32°F to 113°F (0°C to 45°C)
	Operating relative humidity	10% to 90%, non-condensing
	Non-operating/Storage temperature	–40°F to 158°F (–40°C to 70°C)
	Non-operating/Storage relative humidity	10% to 95%, non-condensing
Electrical characteristics	Voltage	100-240 VAC
	Frequency	50 / 60 Hz
Safety	UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03	
Emissions	FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A	
Management	limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB	
Notes	The HP V1905-24 Switch (JD990A) was formerly sold as the 3Com Baseline Plus 2226 (3CBLSF26H) and may ship with this product labeling.	
Services	3-year, 4-hour onsite, 13x5 coverage for hardware (UV792E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UW015E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UW021E) 3-year, 24x7 SW phone support, software updates (UV795E) 4-year, 4-hour onsite, 13x5 coverage for hardware (UV793E) 4-year, 4-hour onsite, 24x7 coverage for hardware (UW016E) 4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW022E) 4-year, 24x7 SW phone support, software updates (UV796E) 5-year, 4-hour onsite, 13x5 coverage for hardware (UV794E) 5-year, 4-hour onsite, 24x7 coverage for hardware (UW017E) 5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW023E) 5-year, 24x7 SW phone support, software updates (UV797E) 3 Yr 6 hr Call-to-Repair Onsite (UW018E)	

4 Yr 6 hr Call-to-Repair Onsite (UW019E)

Refer to the HP website at: www.procurve.com/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

Standards and protocols (applies to all products in series)

Device management
RFC 2819 RMON

General protocols
IEEE 802.1w Rapid Reconfiguration of Spanning Tree
IEEE 802.3ab 1000BASE-T
IEEE 802.3ac (VLAN Tagging Extension)
IEEE 802.3ad Link Aggregation Control Protocol (LACP)
IEEE 802.3i 10BASE-T
IEEE 802.3u 100BASE-X
IEEE 802.3x Flow Control
IEEE 802.3z 1000BASE-X

MIBs
RFC 1213 MIB II
RFC 1493 Bridge MIB
RFC 2021 RMONv2 MIB
RFC 2233 Interface MIB
RFC 2233 Interfaces MIB
RFC 2571 SNMP Framework MIB
RFC 2572 SNMP-MPD MIB
RFC 2573 SNMP-Notification MIB
RFC 2573 SNMP-Target MIB
RFC 2613 SMON MIB
RFC 2618 RADIUS Client MIB
RFC 2620 RADIUS Accounting MIB
RFC 2665 Ethernet-Like-MIB
RFC 2667 IP Tunnel MIB
RFC 2668 802.3 MAU MIB
RFC 2674 802.1p and IEEE 802.1Q Bridge MIB
RFC 2737 Entity MIB (Version 2)
RFC 3414 SNMP-User based-SM MIB
RFC 3415 SNMP-View based-ACM MIB
RFC 3418 MIB for SNMPv3

Network management
IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
IEEE 802.1D (STP)
RFC 1215 SNMP Generic traps

QoS/Cos
IEEE 802.1P (CoS)

Security
IEEE 802.1X Port Based Network Access Control

Technical Specifications

HP V1905-48 Switch (JD994A)

Ports	48 RJ-45 auto-sensing 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX); Media Type: Auto-MDIX; Duplex: half or full 2 RJ-45 dual-personality 10/100/1000 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T) 1 RJ-45 serial console port	
Physical characteristics	Dimensions	9.4(d) x 17.4(w) x 1.7(h) in. (23.88 x 44.2 x 4.32 cm) (1U height)
	Weight	6.4 lb. (2.9 kg)
Memory and processor	Processor	ARM 88E6218 @ 150 MHz, 8 MB SDRAM, 4 MB flash; packet buffer size: 384 MB
Mounting	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included)	
Performance	100 Mb Latency	< 5 μs
	1000 Mb Latency	< 5 μs
	Throughput	10.1 million pps
	Routing/Switching capacity	13.6 Gbps
Environment	Operating temperature	32°F to 113°F (0°C to 45°C)
	Operating relative humidity	10% to 90%, non-condensing
	Non-operating/Storage temperature	–40°F to 158°F (–40°C to 70°C)
	Non-operating/Storage relative humidity	10% to 95%, non-condensing
Electrical characteristics	Voltage	100-240 VAC
	Frequency	50 / 60 Hz
Safety	UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03	
Emissions	FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A	
Management	limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB	
Notes	The HP V1905-48 Switch (JD994A) was formerly sold as the 3Com Baseline Plus 2250 (3CBLSF50H) and may ship with this product labeling.	
Services	3-year, 4-hour onsite, 13x5 coverage for hardware (UV792E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UW015E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UW021E) 3-year, 24x7 SW phone support, software updates (UV795E) 4-year, 4-hour onsite, 13x5 coverage for hardware (UV793E) 4-year, 4-hour onsite, 24x7 coverage for hardware (UW016E) 4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW022E) 4-year, 24x7 SW phone support, software updates (UV796E) 5-year, 4-hour onsite, 13x5 coverage for hardware (UV794E) 5-year, 4-hour onsite, 24x7 coverage for hardware (UW017E) 5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW023E) 5-year, 24x7 SW phone support, software updates (UV797E) 3 Yr 6 hr Call-to-Repair Onsite (UW018E) 4 Yr 6 hr Call-to-Repair Onsite (UW019E)	

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Standards and protocols (applies to all products in series)

Device management
RFC 2819 RMON

General protocols
IEEE 802.1w Rapid Reconfiguration of Spanning Tree
IEEE 802.3ab 1000BASE-T
IEEE 802.3ac (VLAN Tagging Extension)
IEEE 802.3ad Link Aggregation Control Protocol (LACP)
IEEE 802.3i 10BASE-T
IEEE 802.3u 100BASE-X
IEEE 802.3x Flow Control
IEEE 802.3z 1000BASE-X

MIBs
RFC 1213 MIB II
RFC 1493 Bridge MIB
RFC 2021 RMONv2 MIB
RFC 2233 Interface MIB
RFC 2233 Interfaces MIB
RFC 2571 SNMP Framework MIB
RFC 2572 SNMP-MPD MIB
RFC 2573 SNMP-Notification MIB
RFC 2573 SNMP-Target MIB
RFC 2613 SMON MIB
RFC 2618 RADIUS Client MIB
RFC 2620 RADIUS Accounting MIB
RFC 2665 Ethernet-Like-MIB
RFC 2667 IP Tunnel MIB
RFC 2668 802.3 MAU MIB
RFC 2674 802.1p and IEEE 802.1Q Bridge MIB
RFC 2737 Entity MIB (Version 2)
RFC 3414 SNMP-User based-SM MIB
RFC 3415 SNMP-View based-ACM MIB
RFC 3418 MIB for SNMPv3

Network management
IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
IEEE 802.1D (STP)
RFC 1215 SNMP Generic traps

QoS/Cos
IEEE 802.1P (CoS)

Security
IEEE 802.1X Port Based Network Access Control

Technical Specifications

HP V1905-24-PoE Switch (JD992A)

Ports	24 RJ-45 auto-sensing 10/100 PoE ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3af PoE); Media Type: Auto-MDIX; Duplex: half or full 2 RJ-45 dual-personality 10/100/1000 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T) 1 RJ-45 serial console port	
Physical characteristics	Dimensions	9.4(d) x 17.4(w) x 1.7(h) in. (23.88 x 44.2 x 4.32 cm) (1U height)
	Weight	7.1 lb. (3.22 kg)
Memory and processor	Processor	ARM 88E6218 @ 150 MHz, 8 MB SDRAM, 4 MB flash; packet buffer size: 384 MB
Mounting	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included)	
Performance	100 Mb Latency	< 5 μs
	1000 Mb Latency	< 5 μs
	Throughput	6.6 million pps
	Routing/Switching capacity	8.8 Gbps
Environment	Operating temperature	32°F to 113°F (0°C to 45°C)
	Operating relative humidity	10% to 90%, non-condensing
	Non-operating/Storage temperature	–40°F to 158°F (–40°C to 70°C)
	Non-operating/Storage relative humidity	10% to 95%, non-condensing
Electrical characteristics	Voltage	100-240 VAC
	Frequency	50 / 60 Hz
Safety	UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03	
Emissions	FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A	
Management	limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB	
Notes	The HP V1905-24-PoE Switch (JD992A) was formerly sold as the 3Com Baseline Plus 2426 PWR (3CBLSF26PWRH) and may ship with this product labeling.	
Services	3-year, 4-hour onsite, 13x5 coverage for hardware (UV792E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UW015E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UW021E) 3-year, 24x7 SW phone support, software updates (UV795E) 4-year, 4-hour onsite, 13x5 coverage for hardware (UV793E) 4-year, 4-hour onsite, 24x7 coverage for hardware (UW016E) 4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW022E) 4-year, 24x7 SW phone support, software updates (UV796E) 5-year, 4-hour onsite, 13x5 coverage for hardware (UV794E) 5-year, 4-hour onsite, 24x7 coverage for hardware (UW017E) 5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW023E) 5-year, 24x7 SW phone support, software updates (UV797E) 3 Yr 6 hr Call-to-Repair Onsite (UW018E) 4 Yr 6 hr Call-to-Repair Onsite (UW019E)	

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Standards and protocols (applies to all products in series)

Device management
RFC 2819 RMON

General protocols
IEEE 802.1w Rapid Reconfiguration of Spanning Tree
IEEE 802.3ab 1000BASE-T
IEEE 802.3ac (VLAN Tagging Extension)
IEEE 802.3ad Link Aggregation Control Protocol (LACP)
IEEE 802.3i 10BASE-T
IEEE 802.3u 100BASE-X
IEEE 802.3x Flow Control
IEEE 802.3z 1000BASE-X

MIBs
RFC 1213 MIB II
RFC 1493 Bridge MIB
RFC 2021 RMONv2 MIB
RFC 2233 Interface MIB
RFC 2233 Interfaces MIB
RFC 2571 SNMP Framework MIB
RFC 2572 SNMP-MPD MIB
RFC 2573 SNMP-Notification MIB
RFC 2573 SNMP-Target MIB
RFC 2613 SMON MIB
RFC 2618 RADIUS Client MIB
RFC 2620 RADIUS Accounting MIB
RFC 2665 Ethernet-Like-MIB
RFC 2667 IP Tunnel MIB
RFC 2668 802.3 MAU MIB
RFC 2674 802.1p and IEEE 802.1Q Bridge MIB
RFC 2737 Entity MIB (Version 2)
RFC 3414 SNMP-User based-SM MIB
RFC 3415 SNMP-View based-ACM MIB
RFC 3418 MIB for SNMPv3

Network management
IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
IEEE 802.1D (STP)
RFC 1215 SNMP Generic traps

QoS/Cos
IEEE 802.1P (CoS)

Security
IEEE 802.1X Port Based Network Access Control

Technical Specifications

HP V1905-8-PoE Switch (JD877A)

Ports	8 RJ-45 auto-sensing 10/100 PoE ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3af PoE); Media Type: Auto-MDIX; Duplex: half or full 1 RJ-45 dual-personality 10/100/1000 port (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T) 1 RJ-45 serial console port	
Physical characteristics	**Dimensions**	8.0(d) x 13.0(w) x 1.7(h) in. (20.32 x 33.02 x 4.32 cm) (1U height)
	Weight	4.5 lb. (2.04 kg)
Memory and processor	**Processor**	BRCM 53202 @ 133 MHz, 32 MB SDRAM, 8 MB flash; packet buffer size: 1 MB
Mounting	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included)	
Performance	**100 Mb Latency**	< 5 μs
	1000 Mb Latency	< 5 μs
	Throughput	2.7 million pps
	Routing/Switching capacity	3.6 Gbps
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C)
	Operating relative humidity	10% to 90%, non-condensing
	Non-operating/Storage temperature	–40°F to 158°F (–40°C to 70°C)
	Non-operating/Storage relative humidity	10% to 95%, non-condensing
Electrical characteristics	**Voltage**	100-240 VAC
	Frequency	50 / 60 Hz
Safety	UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03	
Emissions	FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A	
Management	limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB	
Notes	The HP V1905-8-PoE Switch (JD877A) was formerly sold as the 3Com OfficeConnect Managed Fast Ethernet PoE Switch (3CRDSF9PWR) and may ship with this product labeling.	
Services	3-year, 4-hour onsite, 13x5 coverage for hardware (UV786E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UW485E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UW488E) 3-year, 24x7 SW phone support, software updates (UV789E) Installation with minimum configuration, system-based pricing (UW451E) 4-year, 4-hour onsite, 13x5 coverage for hardware (UV787E) 4-year, 4-hour onsite, 24x7 coverage for hardware (UW486E) 4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW489E) 4-year, 24x7 SW phone support, software updates (UV790E) 5-year, 4-hour onsite, 13x5 coverage for hardware (UV788E) 5-year, 4-hour onsite, 24x7 coverage for hardware (UW487E) 5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone(UW490E) 5-year, 24x7 SW phone support, software updates (UV791E) 3 Yr 6 hr Call-to-Repair Onsite (UW491E)	

4 Yr 6 hr Call-to-Repair Onsite (UW492E)
5 Yr 6 hr Call-to-Repair Onsite (UW493E)

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Standards and protocols (applies to all products in series)

Device management
RFC 2819 RMON

General protocols
IEEE 802.1w Rapid Reconfiguration of Spanning Tree
IEEE 802.3ab 1000BASE-T
IEEE 802.3ac (VLAN Tagging Extension)
IEEE 802.3ad Link Aggregation Control Protocol (LACP)
IEEE 802.3i 10BASE-T
IEEE 802.3u 100BASE-X
IEEE 802.3x Flow Control
IEEE 802.3z 1000BASE-X

MIBs
RFC 1213 MIB II
RFC 1493 Bridge MIB
RFC 2021 RMONv2 MIB
RFC 2233 Interface MIB
RFC 2233 Interfaces MIB
RFC 2571 SNMP Framework MIB
RFC 2572 SNMP-MPD MIB
RFC 2573 SNMP-Notification MIB
RFC 2573 SNMP-Target MIB
RFC 2613 SMON MIB
RFC 2618 RADIUS Client MIB
RFC 2620 RADIUS Accounting MIB
RFC 2665 Ethernet-Like-MIB
RFC 2667 IP Tunnel MIB
RFC 2668 802.3 MAU MIB
RFC 2674 802.1p and IEEE 802.1Q Bridge MIB
RFC 2737 Entity MIB (Version 2)
RFC 3414 SNMP-User based-SM MIB
RFC 3415 SNMP-View based-ACM MIB
RFC 3418 MIB for SNMPv3

Network management
IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
IEEE 802.1D (STP)
RFC 1215 SNMP Generic traps

QoS/Cos
IEEE 802.1P (CoS)

Security
IEEE 802.1X Port Based Network Access Control

HP V1905-10G-PoE Switch (JD864A)

Ports	9 RJ-45 auto-sensing 10/100/1000 PoE ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T, IEEE 802.3af PoE); Media Type: Auto-MDIX; Duplex: 10Base-T/100Base-TX: half or full; 1000Base-T: full only 1 RJ-45 dual-personality 10/100/1000 PoE port (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T, IEEE 802.3af PoE) 1 RJ-45 serial console port	
Physical characteristics	**Dimensions**	8.0(d) x 13.0(w) x 1.7(h) in. (20.32 x 33.02 x 4.32 cm) (1U height)
	Weight	4.9 lb. (2.22 kg)
Memory and processor	**Processor**	Marvell 88E6218 @ 133 MHz, 64 MB SDRAM, 8 MB flash; packet buffer size: 1 MB
Mounting	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included)	
Performance	**100 Mb Latency**	< 5 μs
	1000 Mb Latency	< 5 μs
	Throughput	14.8 million pps
	Routing/Switching capacity	20 Gbps
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C)
	Operating relative humidity	10% to 90%, non-condensing
	Non-operating/Storage temperature	–40°F to 158°F (–40°C to 70°C)
	Non-operating/Storage relative humidity	10% to 95%, non-condensing
Electrical characteristics	**Voltage**	100-240 VAC
	Frequency	50 / 60 Hz
Safety	UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03	
Emissions	FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A	
Management	limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB	
Notes	The HP V1905-10G-PoE Switch (JD864A) was formerly sold as the 3Com OfficeConnect Managed Gigabit PoE Switch (3CDSG10PWR) and may ship with this product labeling.	
Services	3-year, 4-hour onsite, 13x5 coverage for hardware (UV786E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UW485E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UW488E) 3-year, 24x7 SW phone support, software updates (UV789E) Installation with minimum configuration, system-based pricing (UW451E) 4-year, 4-hour onsite, 13x5 coverage for hardware (UV787E) 4-year, 4-hour onsite, 24x7 coverage for hardware (UW486E) 4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW489E) 4-year, 24x7 SW phone support, software updates (UV790E) 5-year, 4-hour onsite, 13x5 coverage for hardware (UV788E) 5-year, 4-hour onsite, 24x7 coverage for hardware (UW487E)	

5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW490E)
5-year, 24x7 SW phone support, software updates (UV791E)
3 Yr 6 hr Call-to-Repair Onsite (UW491E)
4 Yr 6 hr Call-to-Repair Onsite (UW492E)
5 Yr 6 hr Call-to-Repair Onsite (UW493E)

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Standards and protocols (applies to all products in series)

Device management
RFC 2819 RMON

General protocols
IEEE 802.1w Rapid Reconfiguration of Spanning Tree
IEEE 802.3ab 1000BASE-T
IEEE 802.3ac (VLAN Tagging Extension)
IEEE 802.3ad Link Aggregation Control Protocol (LACP)
IEEE 802.3i 10BASE-T
IEEE 802.3u 100BASE-X
IEEE 802.3x Flow Control
IEEE 802.3z 1000BASE-X

MIBs
RFC 1213 MIB II
RFC 1493 Bridge MIB
RFC 2021 RMONv2 MIB
RFC 2233 Interface MIB
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RFC 2613 SMON MIB
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RFC 2620 RADIUS Accounting MIB
RFC 2665 Ethernet-Like-MIB
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RFC 2668 802.3 MAU MIB
RFC 2674 802.1p and IEEE 802.1Q Bridge MIB
RFC 2737 Entity MIB (Version 2)
RFC 3414 SNMP-User based-SM MIB
RFC 3415 SNMP-View based-ACM MIB
RFC 3418 MIB for SNMPv3

Network management
IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
IEEE 802.1D (STP)
RFC 1215 SNMP Generic traps

QoS/Cos
IEEE 802.1P (CoS)

Security
IEEE 802.1X Port Based Network Access Control

Accessories

HP V1905 Switch Series accessories	Transceivers	
	HP X124 1G SFP LC SX Transceiver	JD493A
	HP X120 1G SFP LC LX Transceiver	JD119B
	Cables	
	NEW HP .5m Multi-mode OM3 LC/LC Optical Cable	AJ833A
	NEW HP 1m Multi-mode OM3 LC/LC Optical Cable	AJ834A
	NEW HP 2m Multi-mode OM3 LC/LC Optical Cable	AJ835A
	NEW HP 5m Multi-mode OM3 LC/LC Optical Cable	AJ836A
	NEW HP 15m Multi-mode OM3 LC/LC Optical Cable	AJ837A
	NEW HP 30m Multi-mode OM3 LC/LC Optical Cable	AJ838A
	NEW HP 50m Multi-mode OM3 LC/LC Optical Cable	AJ839A
	NEW HP 0.5 m PremierFlex OM3+ LC/LC Optical Cable	BK837A
	NEW HP 1 m PremierFlex OM3+ LC/LC Optical Cable	BK838A
	NEW HP 2 m PremierFlex OM3+ LC/LC Optical Cable	BK839A
	NEW HP 5 m PremierFlex OM3+ LC/LC Optical Cable	BK840A
	NEW HP 15 m PremierFlex OM3+ LC/LC Optical Cable	BK841A
	NEW HP 30 m PremierFlex OM3+ LC/LC Optical Cable	BK842A
	NEW HP 50 m PremierFlex OM3+ LC/LC Optical Cable	BK843A

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